

RAW SEQUENCE LISTING

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Application Serial Number: 10/551,643
Source: JFWO
Date Processed by STIC: 08/25/2006

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/551,643

DATE: 08/25/2006
TIME: 12:22:07

Input Set : A:\25201065.APP
Output Set: N:\CRF4\08252006\J551643.raw

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3 <110> APPLICANT: MONTELEONE, GIOVANNI
5 <120> TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDES (ODN) AGAINST SMAD7 AND USES
6     IN MEDICAL FIELD THEREOF
8 <130> FILE REFERENCE: 2520-1065
10 <140> CURRENT APPLICATION NUMBER: 10/551,643
11 <141> CURRENT FILING DATE: 2005-09-29
13 <150> PRIOR APPLICATION NUMBER: PCT/IT04/000117
14 <151> PRIOR FILING DATE: 2004-03-08
16 <150> PRIOR APPLICATION NUMBER: IT RM2003 A 000149
17 <151> PRIOR FILING DATE: 2003-04-02
19 <160> NUMBER OF SEQ ID NOS: 15
21 <170> SOFTWARE: PatentIn Ver. 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 21
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
30     oligonucleotide
32 <400> SEQUENCE: 1
33 gtcgcccctt ctcccccgcag c                                21
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 20
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
43     oligonucleotide
45 <220> FEATURE:
46 <221> NAME/KEY: modified_base
47 <222> LOCATION: (3)
48 <223> OTHER INFORMATION: cytosine, 5-methylcytosine, or 2'-O-methylcytosine
50 <220> FEATURE:
51 <221> NAME/KEY: modified_base
52 <222> LOCATION: (4)
53 <223> OTHER INFORMATION: guanine, 5-methylguanine, or 2'-O-methylguanine
55 <220> FEATURE:
56 <221> NAME/KEY: modified_base
57 <222> LOCATION: (16)
58 <223> OTHER INFORMATION: cytosine, 5-methylcytosine, or 2'-O-methylcytosine
60 <220> FEATURE:
61 <221> NAME/KEY: modified_base
62 <222> LOCATION: (17)

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63 <223> OTHER INFORMATION: guanine, 5-methylguanine, or 2'-O-methylguanine
 65 <400> SEQUENCE: 2
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 69 <210> SEQ ID NO: 3
 70 <211> LENGTH: 20
 71 <212> TYPE: DNA
 72 <213> ORGANISM: Artificial Sequence
 74 <220> FEATURE:
 75 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 76 oligonucleotide
 78 <220> FEATURE:
 79 <221> NAME/KEY: modified_base
 80 <222> LOCATION: (3)
 81 <223> OTHER INFORMATION: 5-methyl 2'-deoxycytidine 5'-monophosphate
 83 <220> FEATURE:
 84 <221> NAME/KEY: modified_base
 85 <222> LOCATION: (16)
 86 <223> OTHER INFORMATION: 5-methyl 2'-deoxycytidine 5'-monophosphate
 88 <400> SEQUENCE: 3
 W--> 89 gtngccccctt ctcccnngcag 20
 92 <210> SEQ ID NO: 4
 93 <211> LENGTH: 20
 94 <212> TYPE: DNA
 95 <213> ORGANISM: Artificial Sequence
 97 <220> FEATURE:
 98 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 99 oligonucleotide
 101 <220> FEATURE:
 102 <221> NAME/KEY: modified_base
 103 <222> LOCATION: (1)
 104 <223> OTHER INFORMATION: 2'-deoxyguanosine methylphosphonate
 106 <220> FEATURE:
 107 <221> NAME/KEY: modified_base
 108 <222> LOCATION: (3)
 109 <223> OTHER INFORMATION: 5-methyl 2'-deoxycytidine 5'-monophosphate
 111 <220> FEATURE:
 112 <221> NAME/KEY: modified_base
 113 <222> LOCATION: (16)
 114 <223> OTHER INFORMATION: 5-methyl 2'-deoxycytidine 5'-monophosphate
 116 <220> FEATURE:
 117 <221> NAME/KEY: modified_base
 118 <222> LOCATION: (20)
 119 <223> OTHER INFORMATION: 2'-deoxyguanosine methylphosphonate
 121 <400> SEQUENCE: 4
 W--> 122 ntngccccctt ctcccnngcan 20
 125 <210> SEQ ID NO: 5
 126 <211> LENGTH: 18
 127 <212> TYPE: DNA
 128 <213> ORGANISM: Artificial Sequence

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130 <220> FEATURE:
131 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
132 oligonucleotide
134 <400> SEQUENCE: 5
135 gtttggtcct gaacatgc 18
138 <210> SEQ ID NO: 6
139 <211> LENGTH: 16
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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147 <400> SEQUENCE: 6
148 gtttggtcct gaacat 16
151 <210> SEQ ID NO: 7
152 <211> LENGTH: 17
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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160 <400> SEQUENCE: 7
161 gtttggtcct gaacatg 17
164 <210> SEQ ID NO: 8
165 <211> LENGTH: 18
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
171 oligonucleotide
173 <400> SEQUENCE: 8 18
174 agcaccgagt gcgtgagc
177 <210> SEQ ID NO: 9
178 <211> LENGTH: 18
179 <212> TYPE: DNA
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183 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
184 oligonucleotide
186 <220> FEATURE:
187 <221> NAME/KEY: modified_base
188 <222> LOCATION: (1)
189 <223> OTHER INFORMATION: 2'-deoxyadenosine methylphosphonate
191 <220> FEATURE:
192 <221> NAME/KEY: modified_base
193 <222> LOCATION: (6)
194 <223> OTHER INFORMATION: 5-methyl 2' deoxycytidine 5' monophosphate
196 <220> FEATURE:
197 <221> NAME/KEY: modified_base

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Input Set : A:\25201065.APP

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198 <222> LOCATION: (12)
199 <223> OTHER INFORMATION: 5-methyl 2' deoxycytidine 5' monophosphate
201 <220> FEATURE:
202 <221> NAME/KEY: modified_base
203 <222> LOCATION: (18)
204 <223> OTHER INFORMATION: 2'-deoxycytosine methylphosphonate
206 <400> SEQUENCE: 9

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212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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219 <400> SEQUENCE: 10
220 cgaacatgac ctccgcac 18
223 <210> SEQ ID NO: 11
224 <211> LENGTH: 18
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
230 oligonucleotide
232 <220> FEATURE:
233 <221> NAME/KEY: modified_base
234 <222> LOCATION: (1)
235 <223> OTHER INFORMATION: 5-methyl 2' deoxycytidine 5' monophosphate
237 <220> FEATURE:
238 <221> NAME/KEY: modified_base
239 <222> LOCATION: (14)
240 <223> OTHER INFORMATION: 5-methyl 2' deoxycytidine 5' monophosphate
242 <400> SEQUENCE: 11

W--> 243 ngaacatgac ctcngcac 18
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248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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255 <220> FEATURE:
256 <221> NAME/KEY: modified_base
257 <222> LOCATION: (3)
258 <223> OTHER INFORMATION: 5-methyl 2' deoxycytidine 5' monophosphate
260 <220> FEATURE:
261 <221> NAME/KEY: modified_base
262 <222> LOCATION: (16)
263 <223> OTHER INFORMATION: 5-methyl 2' deoxycytidine 5' monophosphate

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265 <400> SEQUENCE: 12
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269 <210> SEQ ID NO: 13
270 <211> LENGTH: 17
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
276 oligonucleotide
278 <400> SEQUENCE: 13
279 gatcgtttgg tcctgaa 17
282 <210> SEQ ID NO: 14
283 <211> LENGTH: 17
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
289 oligonucleotide
291 <400> SEQUENCE: 14
292 atcgttttgt cctgaac 17
295 <210> SEQ ID NO: 15
296 <211> LENGTH: 21
297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
302 oligonucleotide
304 <220> FEATURE:
305 <221> NAME/KEY: modified_base
306 <222> LOCATION: (1)
307 <223> OTHER INFORMATION: 2'-deoxyguanosine methylphosphonate
309 <220> FEATURE:
310 <221> NAME/KEY: modified_base
311 <222> LOCATION: (3)
312 <223> OTHER INFORMATION: 5-methyl 2'-deoxycytidine 5'-monophosphate
314 <220> FEATURE:
315 <221> NAME/KEY: modified_base
316 <222> LOCATION: (16)
317 <223> OTHER INFORMATION: 5-methyl 2'-deoxycytidine 5'-monophosphate
319 <220> FEATURE:
320 <221> NAME/KEY: modified_base
321 <222> LOCATION: (20)
322 <223> OTHER INFORMATION: 2'-deoxyguanosine methylphosphonate
324 <400> SEQUENCE: 15
W--> 325 ntngcccctt ctcccnngcan c 21

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/25/2006
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Input Set : A:\25201065.APP
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 3,4/16,17
Seq#:3; N Pos. 3,16
Seq#:4; N Pos. 1,3,16,20
Seq#:9; N Pos. 1,6,12,18
Seq#:11; N Pos. 1,14
Seq#:12; N Pos. 3,16
Seq#:15; N Pos. 1,3,16,20

VERIFICATION SUMMARY
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Input Set : A:\25201065.APP
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L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0